BBA

Molecular Basis of Disease

Vol. 1097, 1991

Cumulative Contents

Review

Liposomes for the transformation of eukaryotic cells
P. Hug and R.G. Sleight (U.S.A.) 1

Regular Papers

A senescence up-regulated protein: the rat thyroxine-binding globulin (TBG)
L. Savu, R. Vranckx, M. Rouaze-Romet, M. Maya, E.A. Nunez, J. Tréton and I.L. Flink (France, U.S.A.) 19

Activation of human plasma prekallikrein by *Pseudomonas aeruginosa* elastase in vitro
Y. Shibuya, H. Tanaka, N. Nishino, H. Okabe, T. Kambara and T. Yamamoto (Japan) 23

Glycoasparaginase in human urine
V. Kaartinen (Finland) 28

Pentamidine activates T_1 the hepatic microsomal glucose 6-phosphate transport protein of the glucose-6-phosphatase system
H.M. Scott and A. Burchell (U.K.) 31

Molecular parameters that control the association of low density lipoprotein apo B-100 with chondroitin sulphate
U. Olsson, G. Camejo, S.-O. Olofsson and G. Bondjers (Sweden) 37

5-Lipoxygenase products: their biosynthesis in human gastric mucosa and possible involvement in inflammatory response and oxygen saturation index reduction in gastric ulcer patients
V.D. Pasechnikov, Y.A. Radsev and S.P. Guminskij (U.S.S.R.) 45

Structural characterization of a glycoprotein variant of human serum albumin: albumin Casebrook (494 Asp → Asn)
R.J. Peach and S.O. Brennan (New Zealand) 49

Lysyl oxidase-mediated crosslinking in granulation tissue collagen in two models of hyperglycemia
K.M. Reiser, E.C. Crouch, K. Chang and J.R. Williamson (U.S.A.) 55

Peroxisomes of normal morphology but deficient in 3-oxoacyl-CoA thiolase in Rhizomelic Chondrodysplasia Punctata fibroblasts
J.C. Heikoop, M. Van den Berg, A. Strijland, P.J. Weijers, R.B.H. Schutgens, W.W. Just, R.J.A. Wanders and J.M. Tager (The Netherlands, F.R.G.) 62

Plasmodium falciparum polypeptides interacting with human red cell membranes show high affinity binding to Band-3
G.L. Jones and H.M.L. Edmundson (Australia) 71

Rapid Reports

DNA polymorphism in the conserved 190 kDa antigen gene repeat region among spotted fever group Rickettsiae
R.D. Gilmore, Jr. and T. Hackstadt (U.S.A.) 77

Restriction fragment length polymorphisms associated with the gene for the major intrinsic protein of eye-lens fibre cell membranes in mice with hereditary cataracts
A. Shiels, C.S. Griffin and A.L. Muggleton-Harris (U.K.) 81

Regular Papers

Quantification of mitochondrial proteins in cultured cells by immuno-flow cytometry
C. Van den Bogert, A. Pennings, H.L. Dekker, K. Luciaková, J.B.M. Boezeman and K.M.C. Sinjorgo (The Netherlands, Czechoslovakia) 87

Regulation by retinoic acid of ICAM-1 expression on human tumor cell lines
M. Bouillon, P. Tessier, R. Boulianne, R. Destrempe and M. Audette (Canada) 95

Transformation and amplification of the K-fgf proto-oncogene in NIH-3T3 cells, and induction of metastatic potential
J.E. Damen, A.H. Greenberg and J.A. Wright (Canada) 103

Etoposide-induced DNA damage in human tumor cells: requirement for cellular activating factors
B.K. Sinha and H.M. Eliot (U.S.A.) 111

Reduced growth of Ehrlich ascites tumor cells in creatine depleted mice fed β-guanidinopropionic acid
Y. Ohira, S. Ishine, N. Inoue and K. Yunoki (Japan) 117

Epinephrine potentiates activation of human platelets by low density lipoproteins
V.N. Bochkov, T.A. Voino-Yasenetskaya and V.A. Tkachuk (U.S.S.R.) 123

The human pyruvate dehydrogenase complex: a polymorphic region of the lipoate acetyl transferase (E2) subunit gene
L.H. Moehario, L. Wang, R.J. Devenish, I.R. Mackay and S. Marzuki (Australia) 128

Conformational energy analysis of the substitution of Val for Gly 233 in a functional region of platelet GPIbα in platelet-type von Willebrand disease
M.R. Pincus, D.C. Dykes, R.P. Carty and J.L. Miller (U.S.A.) 133

Methionine adenosyltransferase activity in cultured cells and in human tissues
K. Åkerman, K. Karkola and O. Kajander (Finland) 140

Role of functional groups of human plasma and luminol in scavenging of NaOCl and neutrophil-derived hypochlorous acid
J. Arnhold, S. Hammerschmidt and K. Arnold (F.R.G.) 145

The neuromelanin of the human substantia nigra
R. Carstam, C. Brinck, A. Hindemith-Augustsson, H. Rorsman and E. Rosengren (Sweden) 152

Regular Papers

Cytokine production by cholesterol-loaded human peripheral monocyte-macrophages: the effect on fibrinogen mRNA levels in a hepatoma cell-line (HepG2)
A. Lane, L. Graham, M. Cook, D. Chantry, F. Green, F. Nigon and S.E. Humphries (U.K., U.S.A., France) 161

Glucocorticoid-mediated muscle atrophy: alterations in transcriptional activity of skeletal muscle nuclei
G.A.J. Goodlad and C.M. Clark (U.K.) 166

Studies on the mechanism of *Salmonella typhimurium* enterotoxin-induced diarrhoea
S. Khurana, N.K. Ganguly, M. Khullar, D. Panigrahi and B.N.S. Walia (India) 171

Amino acid sequence of k Sci, the Bence Jones protein isolated from a patient with light chain deposition disease
V. Bellotti, M. Stoppini, G. Merlini, M.C. Zapponi, M.L. Meloni, G. Banfi and G. Ferri (Italy) 177

A second transthyretin mutation at position 33 (Leu/Phe) associated with familial amyloidotic polyneuropathy
J. Harding, J. Skare and M. Skinner (U.S.A.) 183

Age-dependent expression of cytochrome *P*-450s in rat liver
S. Imaoka, S. Fujita and Y. Funae (Japan) 187

Determination of G-protein levels, ADP-ribosylation by cholera and pertussis toxins and the regulation of adenylyl cyclase activity in liver plasma membranes from lean and genetically diabetic (*db/db*) mice
T.M. Palmer and M.D. Houslay (U.K.) 193

Developmental variation in copper, zinc and metallothionein mRNA in brindled mutant and nutritionally copper deficient mice
J.F.B. Mercer, T. Stevenson, S.A. Wake, G. Mitropoulos, J. Camakaris and D.M. Danks (Australia) 205

The effect of vitamin E analogues and long hydrocarbon chain compounds on calcium-induced muscle damage. A novel role for α-tocopherol?
J. Phoenix, R.H.T. Edwards and M.J. Jackson (U.K.) 212

An outward-rectifying potassium channel in primary cultures of sweat glands from cystic fibrosis subjects
R.M. Henderson and A.W. Cuthbert (U.K.) 219

Characterization of a basic transthyretin variant – TTR Arg 102 – in the German population
M.R. Almeida, K. Altland, S. Rauh, M.A. Gawinowicz, P. Moreira, P.P. Costa and M.J. Saraiva (Portugal, F.R.G., U.S.A.) 224

Glucocorticoids inhibit the induction of nitric oxide synthase and the related cell damage in adenocarcinoma cells
K.J. O'Connor and S. Moncada (U.K) 227

Phenotypic heterogeneity in cultured skin fibroblasts from patients with disorders of peroxisome biogenesis belonging to the same complementation group
E.A.C. Wiemer, M. Out, A. Schelen, R.J.A. Wanders, R.B.H. Schutgens, H. Van Den Bosch and J.M. Tager (The Netherlands) 232

Rapid Report

A new mtDNA mutation associated with mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes (MELAS)
Y.-i. Goto, I. Nonaka and S. Horai (Japan) 238

Corrigendum 241

Review

Regulation of renin secretion by calcium and chemiosmotic forces: (patho)physiological considerations
J.C.S. Fray (U.S.A.) 243

Regular Papers

Accumulation and excretion of long-chain acylcarnitine by rat hearts; studies with aminocarnitine
W.C. Hülsmann, C.T.W.M. Schneijdenberg and A.J. Verkleij (The Netherlands) 263

Effect of TPA on fructose 2,6-bisphosphate levels and protein kinase C activity in B-chronic lymphocytic leukemia (B-CLL)
D. Colomer, J.L.L.V. Corrons and R. Bartrons (Spain) 270

Characterization of chloride transport pathways in cultured human keratinocytes
T. Mastrocola, M. De Luca and M. Rugolo (Italy) 275

Modulation of synovial fibroblast plasminogen activator and plasminogen activator inhibitor production by protein kinase C
J. Uhl, R.C. Newton, J.L. Gross, W. Rommi and E. Mochan (U.S.A.) 283

Altered blood amino acid distribution in genetically obese mice
F. Serra, J. Johnston, J. Carnie and A. Palou (Spain, U.K.) 289

Genetic polymorphisms at the human liver/islet glucose transporter (GLUT2) gene locus in Caucasian and West Indian subjects with type 2 (non-insulin-dependent) diabetes mellitus
S.-R. Li, J.C. Alcolado, J. Stocks, M.G. Baroni, R.S. Oelbaum and D.J. Galton (U.K.) 293

Purification and properties of the uracil DNA glycosylase from Bloom's syndrome
G. Seal, R.J. Tallarida and M.A. Sirover (U.S.A.) 299

Mitochondrial genome distribution in histochemically cytochrome *c* oxidase-negative muscle fibres in patients with a mixture of deleted and wild type mitochondrial DNA
S. Collins, C. Rudduck, S. Marzuki, X. Dennett and E. Byrne (Australia) 309

Immunochemical comparison of the major intrinsic protein of eye-lens fibre cell membranes in mice with hereditary cataracts
A. Shiels, C.S. Griffin and A.L. Muggleton-Harris (U.K.) 318

Cumulative Contents, Vol. 1097 325

Author Index 328